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# United States Department of Agriculture,

OFFICE OF THE SECRETARY.—Circular No. 14.

## ADULTERATION OF ALFALFA AND RED CLOVER SEED.

Seeds of alfalfa and red clover have been obtained and tested in accordance with the following paragraph contained in the act of Congress making appropriations for the Department of Agriculture :

The Secretary of Agriculture is hereby directed to obtain in the open market samples of seeds of grass, clover, or alfalfa, test the same, and if any such seeds are found to be adulterated or misbranded, or any seeds of Canada bluegrass (*Poa compressa*) are obtained under any other name than Canada bluegrass or *Poa compressa*, to publish the results of the tests, together with the names of the persons by whom the seeds were offered for sale.

In carrying out the provisions of this act, 1,272 seedsmen were asked by special agents of this Department for samples of red clover and alfalfa seed, as offered for sale by them. From these seedsmen, 658 samples were obtained and examined. As a result, the following lots were purchased in the open market and found to be adulterated. In accordance with the mandatory nature of the act quoted above, publication is here made of the names and addresses of the seedsmen who sold the lots found to be adulterated, together with the percentages of adulteration in each lot.

*Results of tests of samples bought in the open market as red clover seed and found to be adulterated.*

Seed sold as red clover by—		Seeds used as adulterants	
Name.	Address	Yellow trefoil	Total adulterants
		Per ct.	Per ct.
Rawson & Co., W. W.	12 and 13 Faneuil Hall Square, Boston, Mass.	30.55	10.55
Ross Bros.	90 and 92 Front street, Worcester, Mass.	20.85	20.85
Small & Co., W. H.	7 and 9 Upper First street, Evansville, Ind.	14.08	14.08

*Results of tests of samples bought in the open market as alfalfa seed and found to be adulterated.*

Seed sold as alfalfa by—		Seeds used as adulterants.			
Name.	Address.	Sweet clover.	Bur clover.	Yellow trefoil.	Total adulterants.
		<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>	<i>Per ct.</i>
Barrett Co., The W. E.	65-87 Canal street, Providence, R. I.	-----	3.47	32.86	36.33
Barteldes & Co.	1521 Fifteenth street, Denver, Colo.	-----	16.86	-----	16.86
Crossman Bros	503 Monroe avenue, Rochester, N. Y.	-----	5.02	39.48	44.50
Dallwig, W. E.	34 Juneau avenue, Milwaukee, Wis.	-----	5.74	-----	5.74
Everitt, J. A.	227 W. Washington street, Indianapolis, Ind.	-----	4.27	38.43	42.70
Do.	do.	-----	3.90	39.53	43.43
Gregory & Son, James J. H.	Marblehead, Mass.	-----	3.00	-----	3.00
Grossman, W.	15 Bollingbrook street, Petersburg, Va.	-----	-----	1.25	1.25
Hamilton Bros	Cedar Rapids, Iowa	-----	5.49	-----	5.49
Huntington & Page	130 E. Market street, Indianapolis, Ind.	-----	3.37	38.54	41.91
Kirchner, Jacob F.	156 North street, Pittsfield, Mass.	9.52	-----	-----	9.52
McMillan Seed Co., L. D.	23 S. Broad street, Atlanta, Ga.	-----	10.04	-----	10.04
Martin, B. E.	Main and Walnut streets, Salem, Ill.	-----	-----	6.98	6.98
May & Co., L. L.	381 and 383 Minnesota street, St. Paul, Minn.	-----	-----	31.77	31.77
National Seed Co.	101 W. Main street, Louisville, Ky.	-----	16.53	-----	16.53
Platt Co., The Frank S.	374 and 376 State street, New Haven, Conn.	-----	5.88	39.85	45.73
Rush Park Seed Co.	Independence, Iowa	-----	12.69	-----	12.69
Steckler Seed Co., Ltd., J.	518-526 Gravier street, New Orleans, La.	-----	2.57	.63	3.20
Young & Halstead	Foot of Grand street, Troy, N. Y.	-----	6.23	31.26	37.49

In order to aid seedsmen in avoiding the purchase of adulterated seeds, this Department will examine and report promptly as to the presence of adulterants in any samples of seed submitted for that purpose.

JAMES WILSON,  
*Secretary of Agriculture.*

WASHINGTON, D. C., *October 23, 1905.*



